 INS CASTELLET	DEPARTAMENT D'INFORMÀTICA		CURS 2022-2023
	1er SMIX	M8	UF3
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M8

UF3

1 instal·lació de wordpress

Instal·lació del LAMP

1. Primer de tot haurem d'instal·lar l'apache i actualitzar el firewall

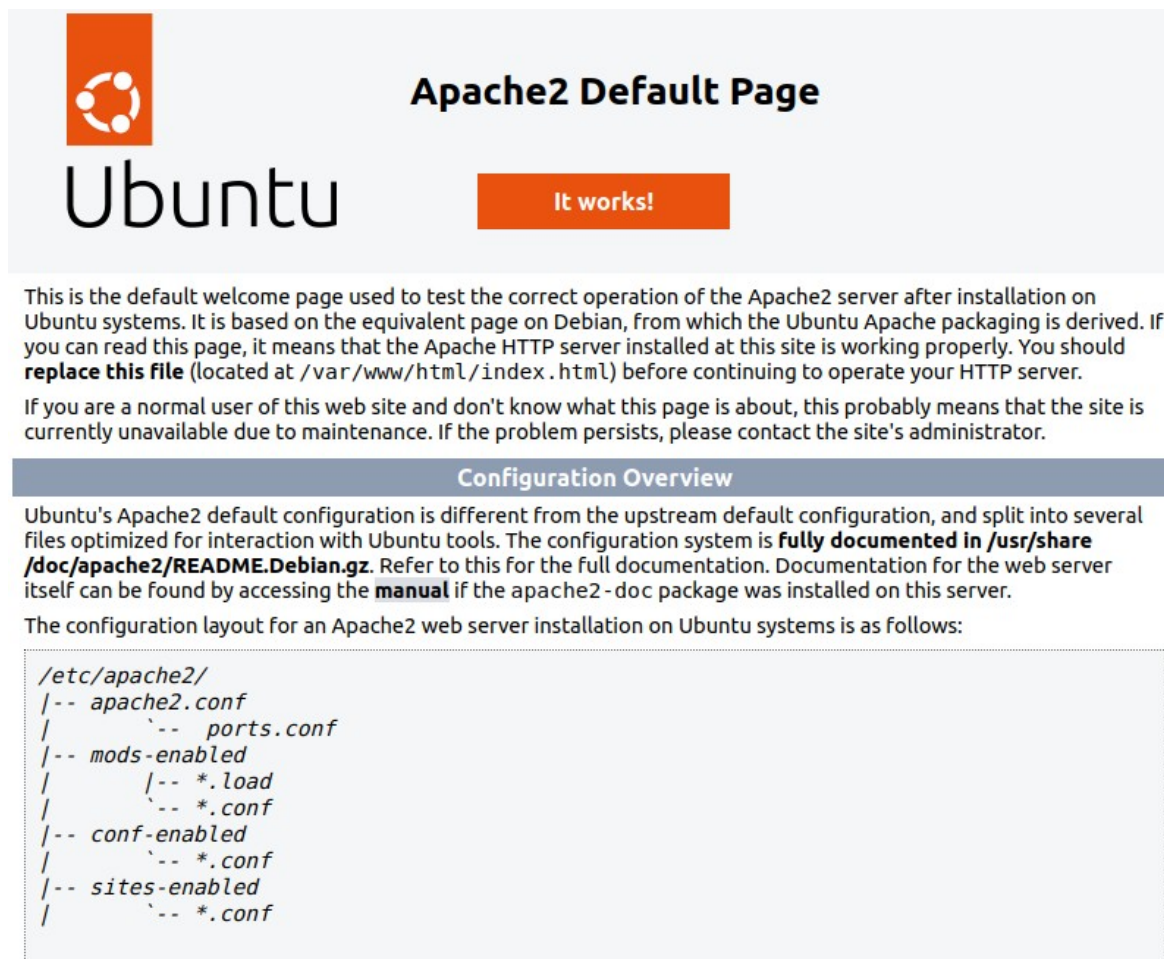
-sudo apt install apache2

-sudo ufw app list

Output

```
Available applications:
  Apache
  Apache Full
  Apache Secure
  OpenSSH
```

-sudo ufw allow in "Apache"



Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

Ara fem `http://la ip del servidor` i ens haurà de sortir aquesta pàgina

```
isard@ubuntu:~$ sudo apt update
[sudo] contrasenya per a isard:
Torneu-ho a provar
[sudo] contrasenya per a isard:
Obj:1 http://es.archive.ubuntu.com/ubuntu jammy InRelease
Bai:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Bai:3 http://es.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Bai:4 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadat
a [42,9 kB]
Bai:5 http://es.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Bai:6 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Met
adata [40,0 kB]
Bai:7 http://es.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metada
ta [101 kB]
Bai:8 http://es.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Me
tadata [289 kB]
Bai:9 http://es.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11
Metadata [940 B]
Bai:10 http://es.archive.ubuntu.com/ubuntu jammy-backports/main amd64 DEP-11 Met
adata [4.956 B]
Bai:11 http://es.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11
Metadata [17,8 kB]
S'ha baixat 834 kB en 1s (795 kB/s)
S'està llegint la llista de paquets... Fet
```

2. instal·lar el mysql

-sudo apt install mysql-server

-sudo mysql

-ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'password';

-sudo mysql_secure_installation

3. Instal·lar el PHP

-sudo apt install php libapache2-mod-php php-mysql

Després crearem un servidor virtual per al lloc web i reemplaçarem els llocs buits i posarem el nostre usuari a cada lloc

Un cop fet tot això posarem `http://servei del domini` i ens hauria de sortir aquesta pàgina


Hello World!

This is the landing page of `your_domain`.

4. Crear un arxiu amb el nom `info.txt`

`-nano /var/www/your_domain/info.php`

i amb `http://server_domain_or_IP/info.php` ens sortirà un exemple de la pàgina php predeterminada

PHP Version 8.1.2-1ubuntu2.14	
	
System	Linux ubuntu 5.19.0-46-generic #47~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Wed Jun 21 15:35:31 UTC 2 x86_64
Build Date	Aug 18 2023 11:41:11
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	/etc/php/8.1/apache2/conf.d/10-mysqlnd.ini, /etc/php/8.1/apache2/conf.d/10-opcache.ini, /etc/php/8.1/apache2/conf.d/10-pdo.ini, /etc/php/8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /etc/php/8.1/apache2/conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-ffi.ini, /etc/php/8.1/apache2/conf.d/20-fileinfo.ini, /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gettext.ini, /etc/php/8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-mysqli.ini, /etc/php/8.1/apache2/conf.d/20-pdo_mysql.ini, /etc/php/8.1/apache2/conf.d/20-phar.ini, /etc/php/8.1/apache2/conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/apache2/conf.d/20-shmop.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/conf.d/20-sysmsg.ini, /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-sysvshm.ini, /etc/php/8.1/apache2/conf.d/20-tokenizer.ini
PHP API	20210902
PHP Extension	20210902
Zend Extension	420210902
Zend Extension Build	API420210902.NTS
PHP Extension Build	API20210902.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Registered Stream Filters	zlib.*, string.rot13, string.toupper, string.tolower, convert.*, consumed, dechunk, convert.iconv.*

Per acabar crearem una base de dades amb el nostre usuari i contrassenya

```
isard@ubuntu: ~  
-> item_id INT AUTO_INCREMENT,  
-> content VARCHAR(255),  
-> PRIMARY KEY(item_id)  
-> );^C  
mysql> ^C  
mysql> CREATE TABLE ismaUF3.isma (  
-> item_id INT AUTO_INCREMENT,  
-> content VARCHAR(255),  
-> PRIMARY KEY(item_id)  
-> );  
Query OK, 0 rows affected (0,04 sec)  
  
mysql> INSERT INTO ismaUF3.isma (content) VALUES ("My first important item");  
Query OK, 1 row affected (0,01 sec)  
  
mysql> SELECT * FROM ismaUF3.isma;  
+-----+  
| item_id | content |  
+-----+  
| 1 | My first important item |  
+-----+  
1 row in set (0,00 sec)
```

TODO

1. My first important item

Un cof fet tot el procediment si posem la ip <http://el domini/todo list.php> ens hauria de sortir aquesta pàgina

Instal·lació del wordpress

```
php-intl php-zip
132 sudo systemctl restart apache2
133 sudo nano /etc/apache2/sites-available/wordpress.conf
134 sudo a2enmod rewrite
135 systemctl restart apache2
136 sudo a2enmod rewrite
137 sudo apache2ctl configtest
138 sudo systemctl restart apache2
139 cd /tmp
140 curl -O https://wordpress.org/latest.tar.gz
141 tar xzvf latest.tar.gz
142 touch /tmp/wordpress/.htaccess
143 cp /tmp/wordpress/wp-config-sample.php /tmp/wordpress/wp-config.php
144 mkdir /tmp/wordpress/wp-content/upgrade
145 sudo cp -a /tmp/wordpress/. /var/www/wordpress
146 sudo chown -R www-data:www-data /var/www/wordpress
147 sudo find /var/www/wordpress/ -type d -exec chmod 750 {} \;
148 sudo find /var/www/wordpress/ -type f -exec chmod 640 {} \;
149 curl -s https://api.wordpress.org/secret-key/1.1/salt/
150 sudo nano /var/www/wordpress/wp-config.php
151 sudo mysql
152 sudo mysql -p
153 history
lsard@ubuntu:~$
```

1. Crearem una base de dades i un usuari per a wordpress

-CREATE DATABASE wordpress DEFAULT CHARACTER SET utf8 COLLATE utf8_unicode_ci;

-CREATE USER 'wordpressuser'@'%' IDENTIFIED WITH mysql_native_password BY 'password';

-GRANT ALL ON wordpress.* TO 'wordpressuser'@'%';

2. Instal·larem extensions PHP

```
-sudo apt install php-curl php-gd php-mbstring php-xml php-xmlrpc php-soap php-intl php-zip
```

3. Ajustarem la configuració de l'apache

```
-sudo nano /etc/apache2/sites-available/wordpress.conf
```

```
<VirtualHost *:80>
. . .
    <Directory /var/www/wordpress/>
        AllowOverride All
    </Directory>
. . .
</VirtualHost>
```

4. Descarregarem Wordpress

```
-curl -O https://wordpress.org/latest.tar.gz
```

```
-tar xzvf latest.tar.gz
```

```
-touch /tmp/wordpress/.htaccess
```

```
-cp /tmp/wordpress/wp-config-sample.php /tmp/wordpress/wp-config.php
```

```
-sudo cp -a /tmp/wordpress/. /var/www/wordpress
```

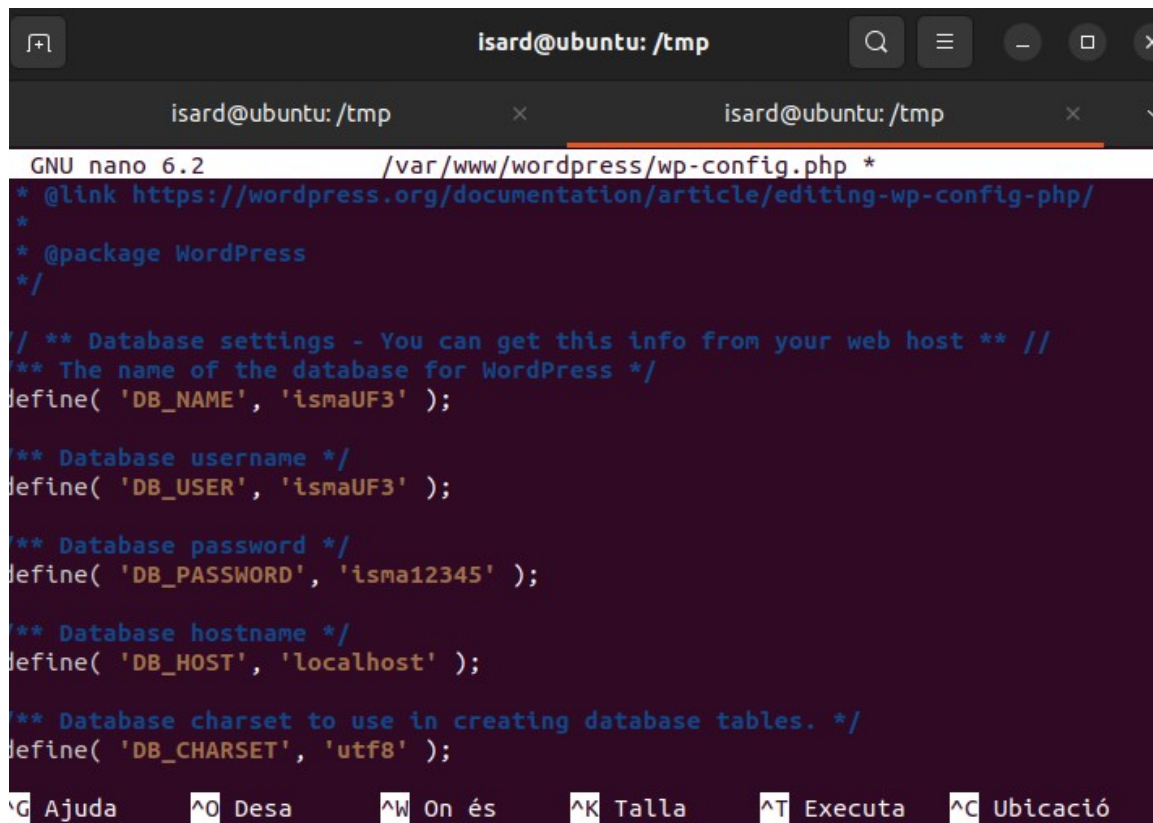
5. Configurem el directori de wordpress

```
-sudo chown -R www-data:www-data /var/www/wordpress
```

```
-sudo find /var/www/wordpress/ -type d -exec chmod 750 {} \;
```

```
-sudo find /var/www/wordpress/ -type f -exec chmod 640 {} \;
```

```
-sudo nano /var/www/wordpress/wp-config.php
```



```
isard@ubuntu: /tmp
GNU nano 6.2 /var/www/wordpress/wp-config.php *
* @link https://wordpress.org/documentation/article/editing-wp-config-php/
*
* @package WordPress
*/

/* ** Database settings - You can get this info from your web host ** */
/** The name of the database for WordPress */
define( 'DB_NAME', 'ismaUF3' );

/** Database username */
define( 'DB_USER', 'ismaUF3' );

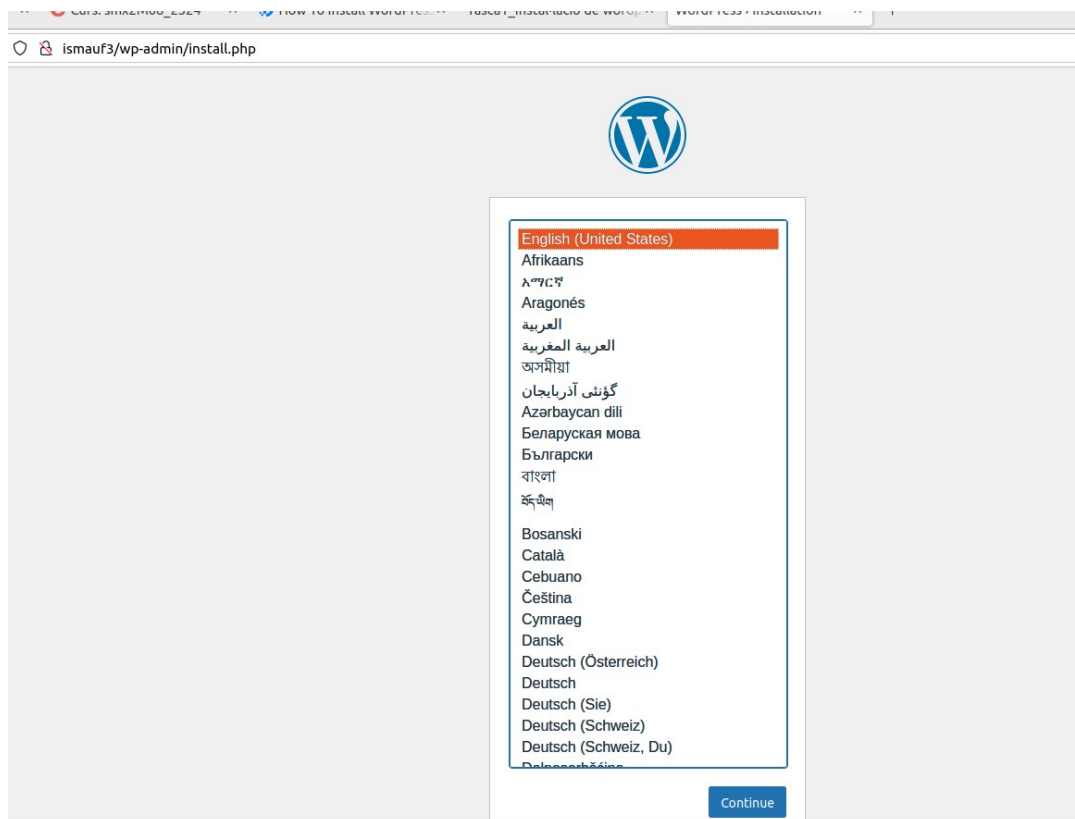
/** Database password */
define( 'DB_PASSWORD', 'isma12345' );

/** Database hostname */
define( 'DB_HOST', 'localhost' );

/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );

^G Ajuda ^O Desa ^W On és ^K Talla ^T Executa ^C Ubicació
```

amb aquesta ultima comanda s'ens obrirà aquesta pàgina i haurem de posar les contrasenyes i usuaris on toca i guardarem l'arxiu



Un cop fet tot navegarem pel servidor i posarem ‘http://domini o usuari’

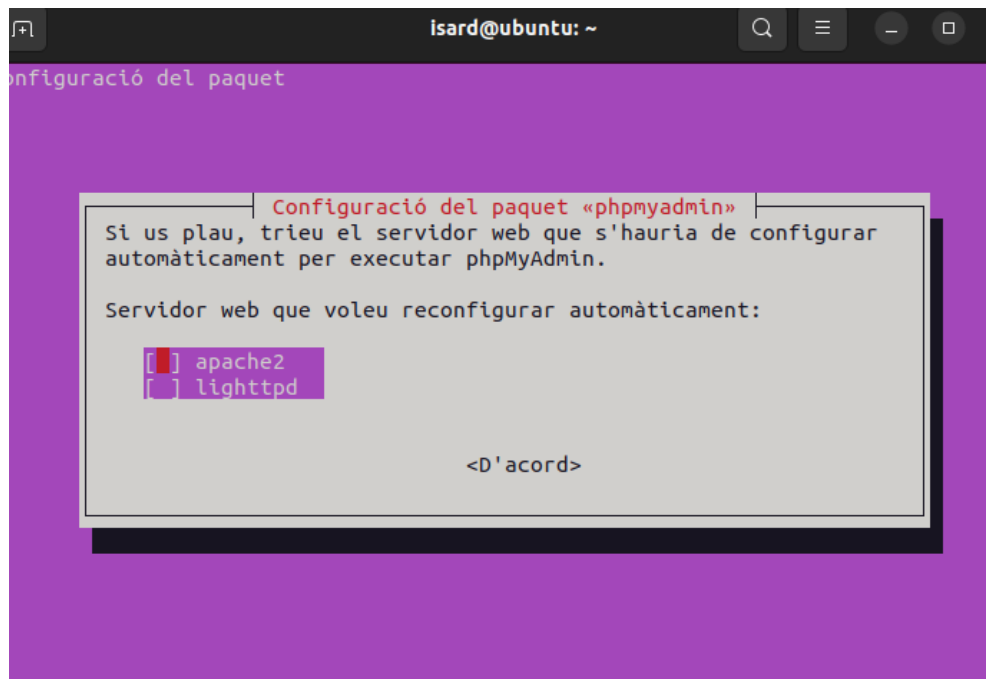
Instal·lació Phpmyadmin

1. instal·lar el php myadmin

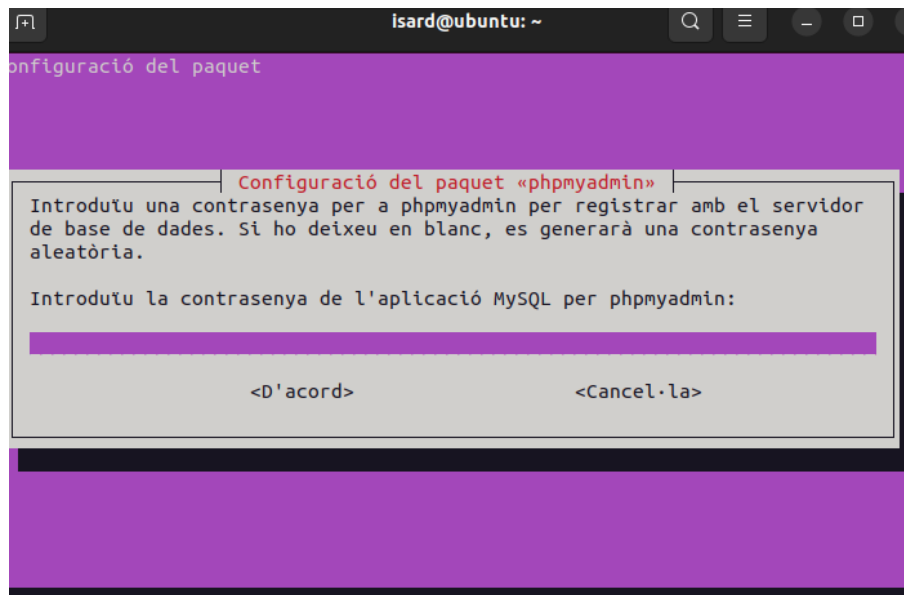
-sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl

-sudo phpenmod mbstring

-sudo systemctl restart apache2



aquí li donarem a apache



posarem la contrasenya

2. Ajustem els privilegis de l'usuari

-SELECT user,authentication_string,plugin,host FROM mysql.user;

-ALTER USER 'root'@'localhost' IDENTIFIED WITH caching_sha2_password BY 'password';

-SELECT user,authentication_string,plugin,host FROM mysql.user;

```
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Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> CREATE USER 'isma'@'localhost' IDENTIFIED WITH caching_sha2_password BY 'p  
assw  
Query OK, 0 rows affected (0,02 sec)  
  
mysql> ALTER USER 'isma'@'localhost' IDENTIFIED WITH mysql_native_password BY 'p  
assw  
Query OK, 0 rows affected (0,01 sec)  
  
mysql> GRANT ALL PRIVILEGES ON *.* TO 'isma'@'localhost' WITH GRANT OPTION;  
Query OK, 0 rows affected (0,01 sec)
```

Aquí haurem de crear el nostre usuari per al phpmyadmin

GRANT ALL PRIVILEGES ON *.* TO 'usuari'@'localhost' WITH GRANT OPTION;



Benvingut o benvinguda a
phpMyAdmin

Idioma - *Language*

Català - Catalan

Identificació

Nom d'usuari:

Contrasenya:

Executa

Ara posem <https://domini/phpmyadmin> i ens sortirà aquesta pàgina